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## HEAT-RESISTANT IRONING BOARD COVER HAVING AN ELASTIC PADDING

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### Description

### Technical Area

[0001] To achieve good results during the ironing operation, it is necessary that the ironing board covers and the elastic padding do not shift during ironing or form folds which can then be transferred to the object to be ironed. Therefore, the padding is often placed on the ironing board and the heat-resistant ironing board cover is spread over it and attached to the ironing board using rubber bands or other bands. This approach does not always yield the desired result.

### Background Information

[0002] Therefore, EP 0 043 700 A1 describes an ironing board cover in which the cover is directly bonded to an elastic padding, for example, by gluing, so that the ironing board cover cannot shift with respect to the elastic padding. These laminated covers are then glued to the ironing board itself using heat and pressure to attach them to the ironing board and prevent the entire ironing board cover from shifting. However, detaching such an ironing board cover, in particular its padding, from the ironing board for the purpose of replacement is extremely problematic because the padding often firmly adheres to the ironing board.

[0003] Therefore, document GB 2,116,216 A proposes materials for the padding which are easier to remove from the ironing board to facilitate replacement of the ironing board cover, including the padding.

[0004] However, the mutually contradictory requirements of secure adhesion of the ironing board cover and its padding to the ironing board and its replaceability yield, as previously, unsatisfactory results.

## Illustration of the Invention

[0005] The object of the present invention is to provide a heat-resistant ironing board cover having an elastic padding in such a way that it is securely attached to the ironing board in the easiest possible way and is also easily removable from the ironing board when needed.

[0006] This object is achieved according to the present invention for a heat-resistant ironing board cover having an elastic padding in that the ironing board cover is form-fittingly attachable to the ironing board while using its padding. The ironing board cover is designed such that it is able to produce a form-fitting attachment with the ironing board itself.

[0007] According to the present invention, the bottom of the padding and the top of the ironing board are provided, at least in part, with a nonwoven or fabric layer which cover one another after the ironing board cover is placed on the ironing board and act as a hook-and-loop fastener. A nonwoven or fabric layer provided with hooks is glued onto the ironing board. The entire surface of the ironing board may be used for this purpose. However, it is also possible to provide only the edge of the ironing board with the nonwoven or fabric layer or to apply additional cross strips to the ironing board for this purpose. The padding is also provided with a nonwoven or fabric layer which is provided with loops. The nonwoven or fabric layer on the ironing board and on the padding are designed to be the same size and shape. If a padding so designed is placed on the similarly designed ironing board, it is possible to attach the ironing board cover to the ironing board in an unshiftable manner via a simple manual pressing and smoothing operation.

[0008] The nonwoven or fabric layer of the ironing board and/or the padding is perforated so that the permeability of the ironing board to steam or the like is not impaired.

[0009] The heat-resistant ironing board cover having an elastic padding may be attached to an ironing board with the same effectiveness by designing the contour of the padding to correspond to the contour of the ironing board and providing the padding with a peripheral edge which has a

bulge engaging with the peripheral edge of the ironing board from behind. If the ironing board cover is designed in a similar way, it may be installed on the ironing board manually in a very simple manner. Since it is held down all around from all sides, it cannot slip on the ironing board. In the above approach, it has been found to be advantageous if the padding has a material stiffening in the area of the bulge. The material stiffening may be achieved by special impregnation of the padding in the bulge area using a polymer and subsequent crosslinking of the polymer.

[0010] The thickness of the padding may be adjusted to the performed hook-and-loop operation and is usually 0.2 to 5 cm.

#### Brief Description of the Drawing

[0011] Two exemplary embodiments of the performance of the attachment of the ironing board cover to the ironing board are illustrated in the appended drawing.

[0012] Figure 1 shows the top view of an ironing board having a nonwoven layer all around it.

[0013] Figure 2 schematically shows the cross section of an ironing board having an ironing board cover.

[0014] Figure 3 shows a section of a portion of an ironing board having an ironing board cover.

[0015] Figure 4 shows the top view of an ironing board covered by an ironing board cover.

[0016] Figure 5 shows a cross section of the ironing board having a cover with snap fasteners.

#### Detailed Description of the Exemplary Embodiments

[0017] Figure 1 shows the top view of an ironing board 1. Ironing board 1 has, as is known, a board surface 2 made of expanded metal. A nonwoven layer 4, whose top is provided with barbs for a hook-and-loop fastener, is glued around the entire edge 3 of board surface 2. The contour of padding 5 (see Figure 2) of ironing board cover 6 is designed such that it corresponds to the contour of ironing board 1. In addition, its bottom 7 is also provided with a nonwoven layer 8, whose design corresponds to nonwoven layer 8 on top face 9 of ironing board 1. However, this nonwoven layer 4 is provided with loops, so that the hooks of nonwoven layer 4 of the ironing board may engage with them.

[0018] Figure 2 shows the individual parts in an exploded view. After ironing board cover 6 is placed on ironing board 1 and pressed by hand, a sufficiently strong connection is produced between ironing board cover 6 and ironing board 1. It should also be noted that only legs 10 are indicated under the ironing board; all other parts have been omitted.

[0019] Figures 3 and 4 show another option for the form-fitting connection between ironing board cover 6 and ironing board 1. Also in this case the contour of padding 5 corresponds to the contour of ironing board 1. However, padding 5 is attached to ironing board 1 by providing padding 5 with a peripheral edge 13, which has a bulge 12 engaging with peripheral edge 11 of ironing board 1 from behind. In the area of bulge 12, padding 5 is provided with a material stiffening, which is indicated by the darker shading. This material stiffening further reinforces the fit of ironing board cover 6 on ironing board 1. To achieve material stiffening, padding 5 may be impregnated in the area of bulge 12 with a cross-linkable polymer. After impregnation, the polymer is hardened, for example, by applying heat.

[0020] Figure 5 shows a cross section of an embodiment of ironing board 1, in which ironing board cover 6 is provided with snap fasteners 21 peripherally on its edge 20. Ironing board cover 6 is spread over ironing board 1 and attached using snap fasteners 21, the latter engaging with the corresponding recesses 22 on the bottom of ironing board 1.